

ABSTRACT OF THE DISCLOSURE

The invention provides a fuel cell manufacturing apparatus having improved productivity and a fuel cell manufacturing method that uses the fuel cell manufacturing apparatus. The invention provides on a first substrate that is transferred by use of a belt conveyer that is driven by a driver based on a signal from a controller, by use of discharge devices, a first gas flow path for supplying a first reaction gas is formed. Subsequently, on the first substrate that is transferred by the belt conveyer, by use of discharge devices, a first current collecting layer and a first reaction layer are formed, respectively. In the next place, on the first substrate, by use of a discharge device, an electrolyte film is formed. Similarly, by use of discharge devices, a second reaction layer and a second current collecting layer are formed, respectively. In an assembly unit, a second substrate on which a second gas flow path is formed by use of discharge devices is disposed on a predetermined position on the first substrate, and thereby the manufacture of a fuel cell comes to completion.